

**PLANNING & PROGRAMMING DIVISION
PLANNING RESEARCH SECTION
TRAFFIC ANALYSIS UNIT**

TAU 3458

TH 694

SP 8286-02

Minnehaha Ave. to TH 36

Prepared: November, 1964

MINNESOTA HIGHWAY DEPARTMENT

**U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS**

DEPARTMENT HIGHWAY - Planning and Programming

Office Memorandum

TO : T. S. Thompson

DATE: November 3, 1964

FROM : Johan Nygaard

SUBJECT: T.H. 694, S.P. 8286-02, Minnehaha Avenue to T.H. 36

This report is transmitted in response to your August 21, 1964, request for 1985 ADT, DHV and HCA DT for the project location as shown on the map on page 2.

For each segment numbered on the map on page 3, the following data are tabulated on the forms on pages 4 and 5:

- a) Vehicle Type Distribution
- b) Total ADT
- c) Total Heavy Commercial ADT

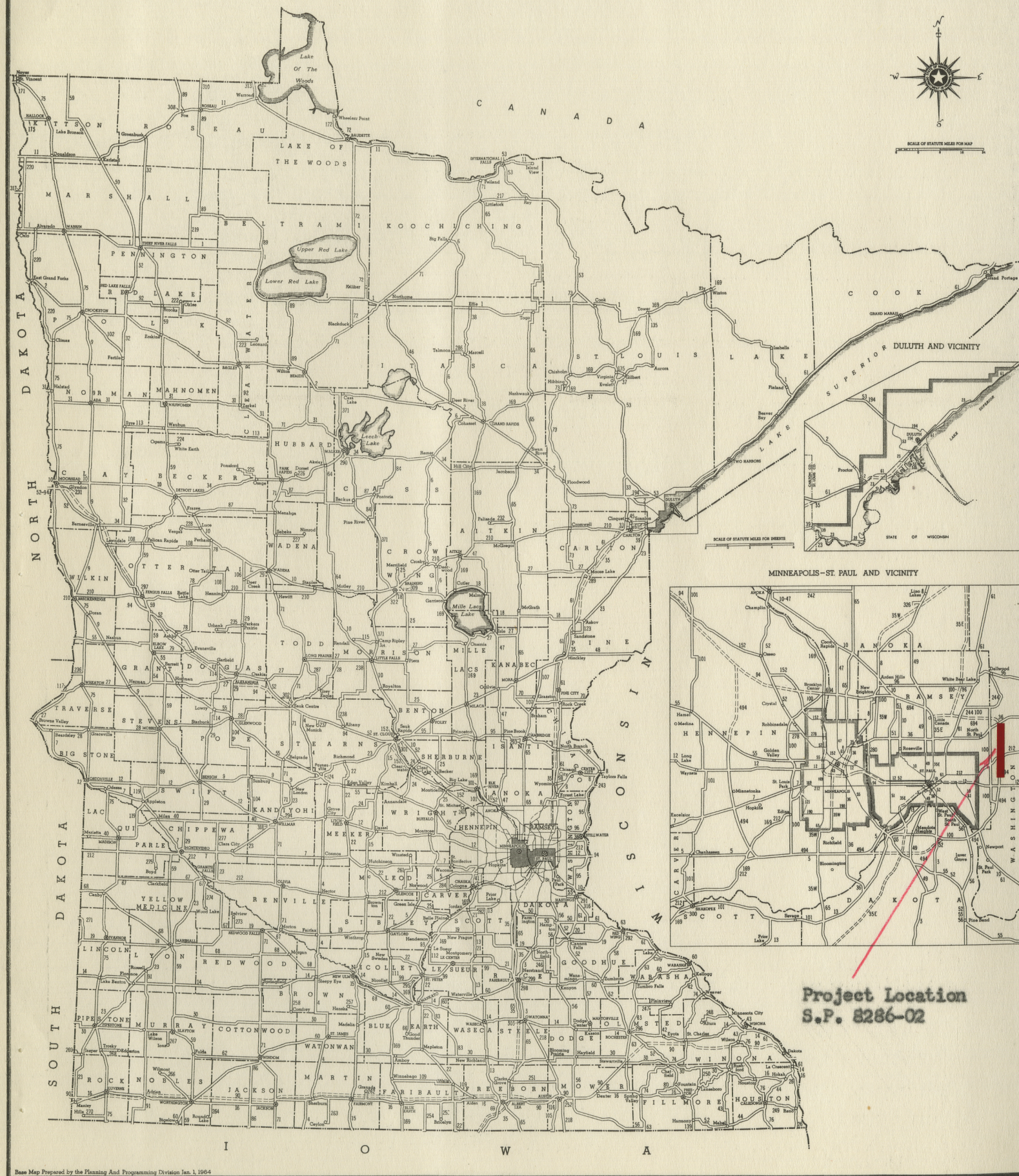
The DHV has not been tabulated since AM and PM peak hours have already been transmitted in TAU 355 on October 20, 1964. The Heavy Commercial ADT in this transmittal is attendant to the ADT transmitted in TAU 355.

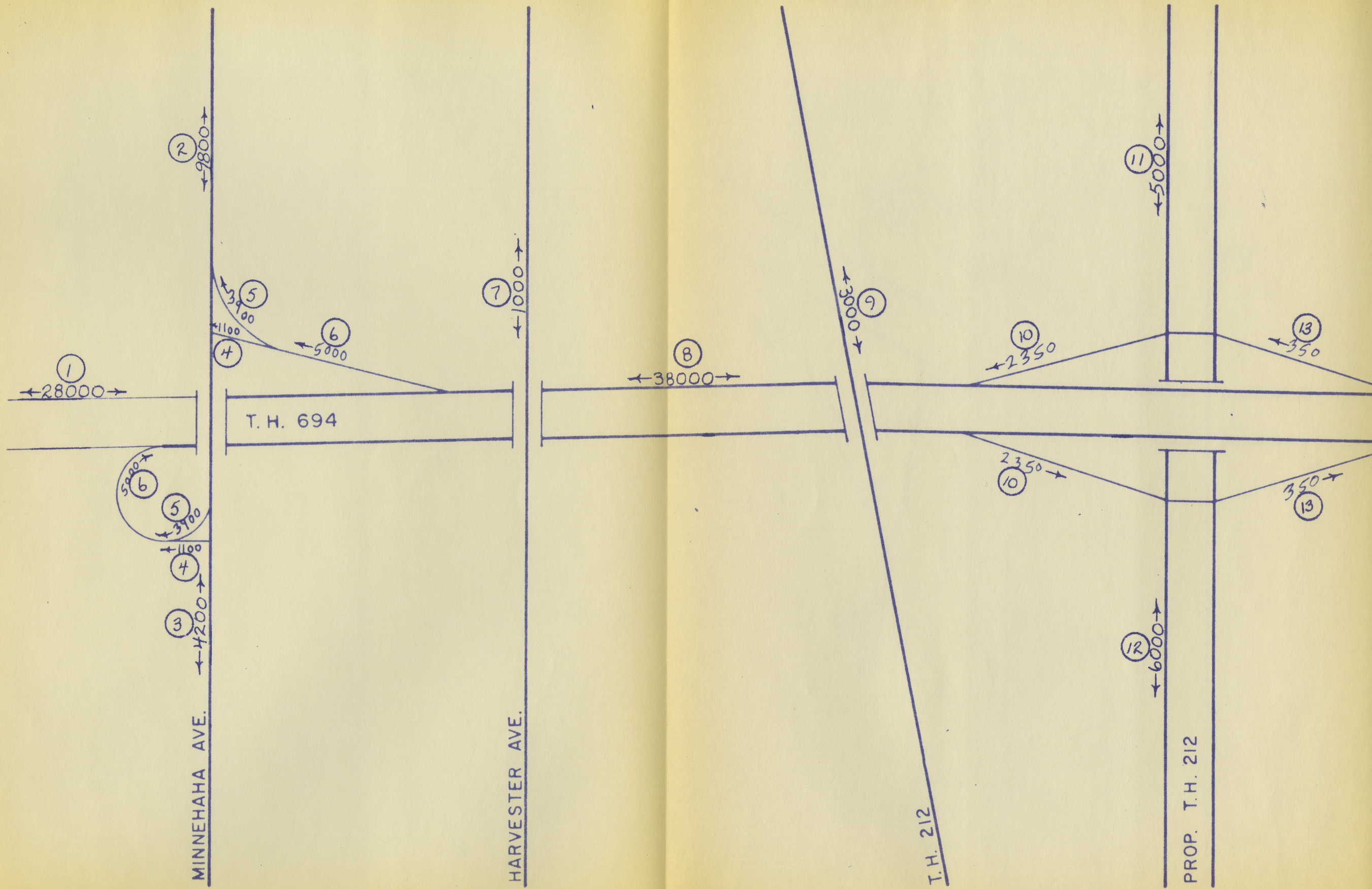
Segment 8, having the highest 1985 ADT, has a 1963 ADT of 6,550 at its parallel location on T.H. 100.

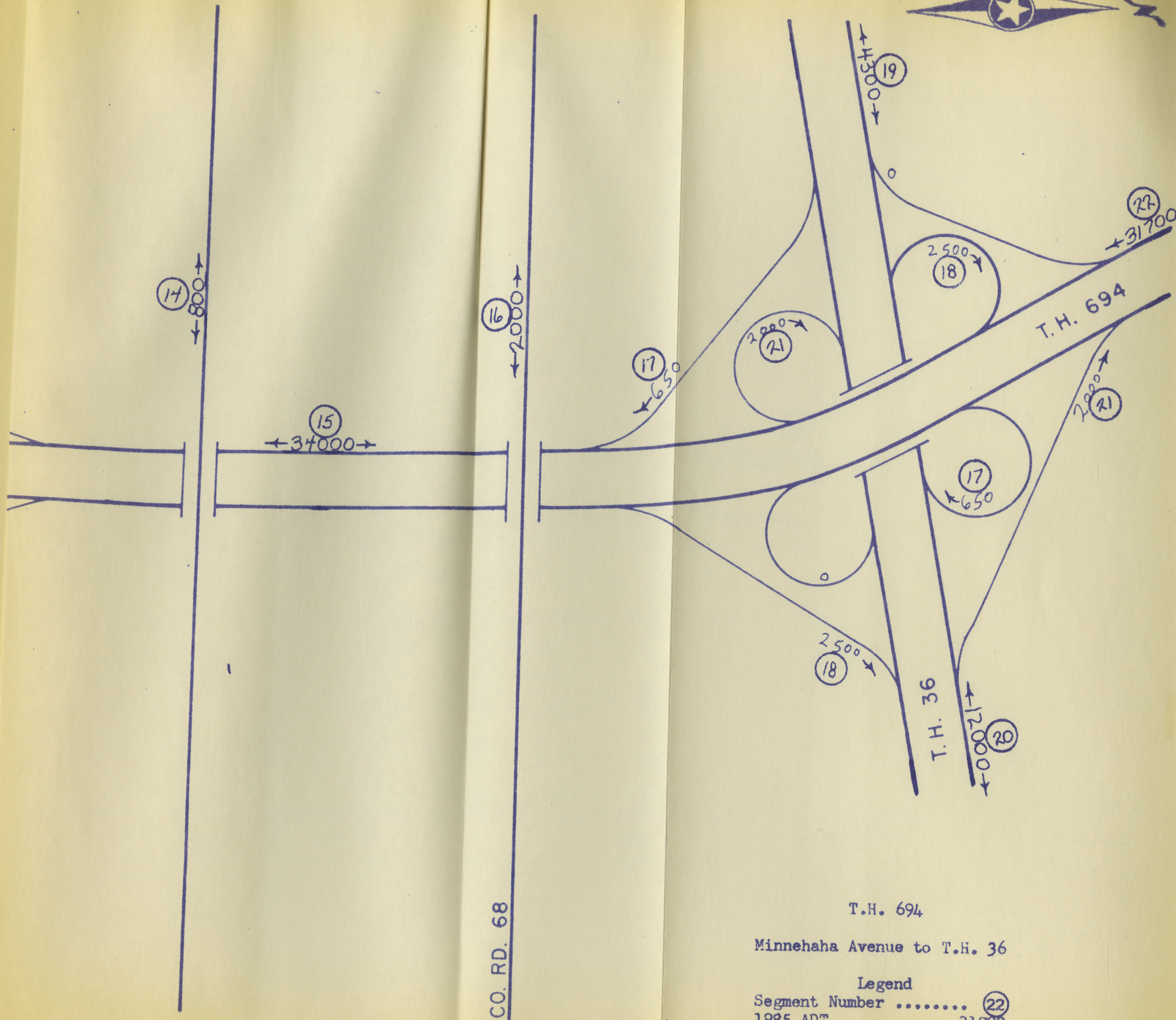
The basic data, method and assumptions are presented on page 6.

The report was requested by B. L. Warzala for R. Hinz.

Johan Nygaard

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP





T.H. 694
 Minnehaha Avenue to T.H. 36
 Legend
 Segment Number 22
 1985 ADT 31700

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

FOR

T.H. 694 S.P. 8286-02 LENGTH - MILES
 COUNTY Washington LOCATION Minnehaha Avenue to
Jct. T.H. 36.

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	25948	9216	3932	1036	3678	4714	894	35376	2696	2201	4622
1	596	366	166	40	140	180	66	956	190	81	178
2	464	160	70	18	63	81	30	626	90	26	60
3	110	6	2	0	2	2	0	114	0	3	20
4	258	10	6	1	3	4	2	266	4	10	48
5	366	14	8	2	5	7	2	380	4	3	12
6	258	28	16	3	9	12	6	282	16	26	60
TOTAL ADT	28000	9800	4200	1100	3900	5000	1000	38000	3000	2350	5000
TOTAL H. COMM. ADT	2052	584	268	64	222	286	106	2624	304	149	378
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 694 S.P. 8286-02 LENGTH - MILES
 COUNTY Washington LOCATION Minnehaha Avenue to
Jct. T.H. 36

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
 DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	5576	324	718	31622	1800	572	2383	3786	11220	1906	29524
1	206	13	52	820	132	26	50	172	300	40	748
2	68	4	24	582	48	13	17	86	120	13	548
3	22	0	0	108	2	2	3	14	20	2	102
4	48	4	0	254	4	11	14	72	100	11	226
5	14	0	2	374	4	24	30	158	220	25	316
6	66	5	4	240	10	2	3	12	20	3	236
TOTAL ADT	6000	350	800	34000	2000	650	2500	4300	12000	2000	31700
TOTAL H. COMM. ADT	424	26	82	2378	200	78	117	514	780	94	2176
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 2 = SINGLE UNIT-3 AXLE TRUCKS 6 = BUSES AND TRUCKS WITH TRAILERS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

Basic Data, Method and Assumptions

The origins and destinations were studied for commercial vehicles contacting the corridor of T.H. 694. The commercial vehicles were then routed by travel time to T.H. 694 with the diversions consisting of 80% of the TT-STS on T.H. 100 and 50% of the TT-STS on White Bear Avenue. The results were checked and corrected through use of recent vehicle classification counts conducted just south of T.H. 212 on T.H. 100 and White Bear Avenue.

The vehicle type distribution for T.H. 212 was based on a vehicle classification count recorded in 1961 on T.H. 212 just west of T.H. 100. The vehicle type distribution on T.H. 36 was based on vehicle classification counts recorded in 1963 and 1964 on T.H. 36 three miles east of T.H. 100. The vehicle type distributions on Minnehaha Avenue, Harvester Avenue, present T.H. 212, C.R. 68 and the Twp. road were based on vehicle classification counts recorded on other roads having similar travel characteristics to these roads.